

Title (en)

ELECTRIC MOTOR WITH SWITCHOVER ELEMENTS IN THE MAGNETIC CIRCUIT

Title (de)

E-MOTOR MIT UMSCHALTELEMENTEN IM MAGNETKREIS

Title (fr)

MOTEUR ÉLECTRIQUE MUNI D'ÉLÉMENTS DE COMMUTATION DANS LE CIRCUIT MAGNÉTIQUE

Publication

EP 3602739 B1 20220223 (DE)

Application

EP 18712500 A 20180228

Priority

- DE 102017106828 A 20170330
- DE 2018100176 W 20180228

Abstract (en)

[origin: WO2018177457A1] The invention relates to a rotor (1) of an electric machine (20) designed as an inner rotor with a rotational axis (D), which extends in an axial direction (A) and about which the rotor (1) can be rotated, an outer lateral surface (AM) which delimits the rotor (1), at least one pole assembly (2, 3, 4), and an adjusting mechanism (5) for the at least one pole assembly (2, 3, 4), said adjusting mechanism (5) being designed such that the distance (X) between the outer lateral surface (AM) of the rotor (1) and a centroid (W) of the at least one pole assembly (2, 3, 4) can be adjusted, whereby the at least one pole assembly (2, 3, 4) can be moved inwards towards the rotational axis (D) of the rotor (1) or outwards away from the rotational axis (D) of the rotor (1). The invention further relates to an electric machine (20) with a rotor (1) and a stator (21).

IPC 8 full level

H02K 1/27 (2022.01)

CPC (source: EP US)

H02K 1/2766 (2013.01 - EP US); **H02K 1/2791** (2022.01 - EP US); **H02K 21/025** (2013.01 - US); **H02K 21/029** (2013.01 - US); **H02K 2213/09** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2018177457 A1 20181004; CN 110431727 A 20191108; DE 102017106828 A1 20181004; DE 112018001653 A5 20191224; EP 3602739 A1 20200205; EP 3602739 B1 20220223; US 11218039 B2 20220104; US 2020076253 A1 20200305

DOCDB simple family (application)

DE 2018100176 W 20180228; CN 201880019939 A 20180228; DE 102017106828 A 20170330; DE 112018001653 T 20180228; EP 18712500 A 20180228; US 201816492764 A 20180228